PTO/SB/05 (08-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

## UTILITY PATENT APPLICATION TRANSMITTAL

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.					
UTILITY	Attorney Docket No.	4437-006	TO		
PATENT APPLICATION TRANSMITTAL	First Inventor	Gringer et al.	S		
	Title	FLUID MIXING DEVICE			
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.	EV 272234266 US	8/8		

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Mail Stop Patent Application  ADDRESS TO:  Commissioner for Patents P.O. Box 1450  Alexandria VA 22313-1450			
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27.  3. Specification [Total Pages 20] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed)	<ol> <li>CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</li> <li>Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)         <ul> <li>Computer Readable Form (CRF)</li> <li>Specification Sequence Listing on:</li></ul></li></ol>			
- Detailed Description - Claim(s)	ACCOMPANYING APPLICATION PARTS			
Prior application information: Examiner Tony G. Soohoo	CFR 1.76:  ion-in-part (CIP) of prior application No.:09/928,542			
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the 5b, is considered a part of the disclosure of the accompanying continuation The incorporation can only be relied upon when a portion has been inadvert	or divisional application and is hereby incorporated by reference.			
19. CORRESPONDENCE ADDRESS				
Customer Number: 22440	OR Correspondence address below			
Name				
Address				
City	State Zip Code			
Country Te	lephone Fax			
Name (Print/Type) Raympnd B. Churchill, Jr.	Registration No. (Attorney/Agent) 44,617			
Signature Signature	Date 2/27/2004			
This collection of information is required by 37 CFR 1.53(b). The information is				

USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

F	E	E	TR	AN	18	MI	T	TA	L
			for	FY	<b>2</b>	00	4		

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 412.00

Complete if Known				
Application Number	To Be Assigned			
Filing Date	Herewith			
First Named Inventor	Gringer et al.			
Examiner Name	Tony G. Soohoo			
Art Unit	1723			
Attorney Docket No.	4437-006			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES					
✓ Deposit Account:	Large E		Small			
Denosit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number 07-1730	1051	130	2051		Surcharge - late filing fee or oath	reeraid
Deposit Account Gottlieb,Rackman&Reisman	1052	50	2052	25	Surcharge - late provisional filing fee or	
Name	1053	130	1053	130	cover sheet Non-English specification	
The Director is authorized to: (check all that apply)  Charge fee(s) indicated below  Credit any overpayments	1812		1812		For filing a request for ex parte reexamination	
	1804	920*	1804	920*	Requesting publication of SIR prior to	
Charge any additional fee(s) or any underpayment of fee(s)  Charge fee(s) indicated below, except for the filing fee	1005		4005		Examiner action	
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large-Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 385.00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385.00	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,330	2453	665	Petition to revive - unintentional	
Fee from	1501		2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid  Total Claims 23 -20** = 3 x 9 = 27.0	1502	480	2502		Design issue fee	
Independent 1 3** - 0 × 43 - 0 00	1503	640	2503		Plant issue fee	
Claims - 3 = 0	1460	130	1460		Petitions to the Commissioner	
Large Entity L. Small Entity	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity Fee Fee   Fee Fee   Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection	
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	4040	770	0040		(37 CFR 1.129(a))	
1204 86 2204 43 ** Reissue independent claims	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 27.00	Other t	fee (sp	ecify) _			
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)					
SUBMITTED BY (Complete (if applicable))						

Registration No. Raymond B. Churchill, Jr. Name (Print/Type) 44,617 Telephone 212 684-3900 <u>2004</u> Signature Date

WARNING Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Gringer et al.

Serial No.

TBA(Cont. of 09/928,542)

Examiner

Tony G. Soohoo

Filed

Herewith

**Group Art Unit:** 

1723

For

FLUID MIXING DEVICE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### EXPRESS MAIL CERTIFICATE UNDER 37 CFR §1.10

Express Mail Label No.: <u>EV 272234266 US</u>

Date of Deposit: February 27, 2004

I hereby certify that he following attached paper(s) and/or fee

<u>Utility Patent Application Transmittal 37 CFR 1.53(b) and a Fee Transmittal Form PTO/SB/17; New Utility</u> Patent Application including eleven (11) pages of description, eight (8) pages of claims (1-49), one (1) page of Abstract, and eight (8) sheets of drawings (Figs. 1-11); Copy of the Declaration from a prior application (2) pages); Preliminary Amendment (8 pages); Non-publication Request; Check for \$ 412.00 (filing fees); and Returned Receipt Postcard.

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and addressed to the "Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".

Zoya V. Chernina

(Typed or printed name of person mailing paper(s) and/or fee)

Signature of person mailing

paper(s) and/or fee)

#### **CORRESPONDENCE ADDRESS:**

GOTTLIEB, RACKMAN & REISMAN, P.C. 270 Madison Avenue New York, New York 10016-0601 (212) 684-3900 (212) 684-3999

# NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

First N	Named Inventor	Donald Gringer et al.			
Title	Title FLUID MIXING DEVICE				
Attorney Docket Number		er 4437-006			

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

2/27/2004 | Date

 $\bigcirc$ 

(212) 684–3900

Telephone number

Raymond B. Churchill, Jr., Reg. No. 44,617

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).** 

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.